I Number	Hits		DB	Time stamp
	ω	\$.DID. OR	USPAT;	2004/06/24 08:44
		. OR US-	US-PGPUB;	
			DERWENT;	
I	4	(("20010051334") or ("20030143756")).PN.	IBM TDB USPAT;	2004/06/24 09:20
			US-PGPUB; EPO; JPO;	
			DERWENT; IBM TDB	_
ı	1109	((engag\$3 or connect\$3 or plug\$4) near tube) and ((disengag\$3 or disconnect\$3 or unplug\$4) near tube)	USPAT; US-PGPUB;	2004/06/24 09:26
			EPO; JPO;	
			IBM_TDB	
l	0	(((engag\$3 or connect\$3 or plug\$4) near tube) and ((disengag\$3 or disconnect\$3 or unplug\$4) near tube)) and 422/101.ccls.	USPAT; US-PGPUB;	2004/06/24 09:24
			EPO; JPO; DERWENT;	
	1565	connect\$3 or	IBM TDB	2004/06/24 09:26
		t\$3 or unplug\$4) near (tub\$3))	US-PGPUB;	
•			DERWENT;	
	m	. ((engags3 or connects3 or plugs4) near (fubs3)) and ((disengags3 or	IBM_TDB USPAT:	2004/06/24 09:26
***		33 or unplug\$4) near (tub\$3))) and 422/101.ccls.	US-PGPUB;	
			DERWENT;	
ı	Н	(((engag\$3 or connect\$3 or plug\$4) near (tub\$3)) and ((disengag\$3 or	USPAT;	2004/06/24 09:24
		3 or unplug\$4) near (tub\$3))) and 422/101.ccls.) not	US-PGPUB;	
		(((engag\$3 or connect\$3 or plug\$4) near tube) and ((disengag\$3 or disconnect\$3 or unplug\$4) near tube) and 422/101.ccls.)	EPO; JPO; DERWENT;	
		6512	IBM_TDB	
1	14727	((engag\$3 or connect\$3 or plug\$4) with (tub\$3)) and ((disengag\$3 or disconnect\$3 or unplug\$4) with (tub\$3))	USPAT; US-PGPUB;	2004/06/24 09:50
			EPO; JPO; DERWENT;	
	08	0000000+62 00 01:1+1 + 1+:1+62// 00 00 00 +000000 00	IBM TDB	000 707 707 000 61
	2	(((thingagy) of commetty) of prugy1, with (tub/3)) and (ursengagy) of disconnect\$3 or unplug\$4) with (tub\$3))) and 422/101.ccls.	US-PGPUB;	
			EPO; JPO; DERWENT;	
ı	27	(((engags or connects or plugs) with (tubss)) and ((disengags or	IBM TDB	2004/06/24 09:27
	I	or unplug44) with (tub\$3))) and 422/101.ccls.) not	US-PGPUB;	
		(((engag\$3 or connect\$3 or plug\$4) near (tub\$3)) and ((disengag\$3 sconnect\$3 or unplug\$4) near (tub\$3))) and 422/101.ccls.) or (((er	EPO; JPO; DERWENT;	
		or connect\$3 or plug\$4) near tube) and ((disengag\$3 or disconnect\$3 or unplug\$4) near tube)) and 422/101.ccls.))	IBM_TDB	
		2/2 =		,

ı	47	(((engag\$3 or connect\$3 or plug\$4) with (tub\$3)) and ((disengag\$3 or disconnect\$3 or unplug\$4) with (tub\$3))) and 422/99,102.ccls.	USPAT; US-PGPUB; EPO: JPO:	2004/06/24 09:35
I	1806	(422/101).CCLS.	DERWENT; IBM TDB USPAT; US-PGPUB; EPO: JPO:	2004/06/24 09:42
ı	11	422/101.ccls. and guirguis.in.	DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO;	2004/06/24 10:12
ı	21235	((engag\$3 or connect\$3 or plug\$4) with (tub\$3 or vacuum or suction)) and ((disengag\$3 or disconnect\$3 or unplug\$4) with (tub\$3 or vacuum or suction))	DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2004/06/24 10:12
ı	45	(((engag\$3 or connect\$3 or plug\$4) with (tub\$3 or vacuum or suction)) and ((disengag\$3 or disconnect\$3 or unplug\$4) with (tub\$3 or vacuum or suction))) and 422/101.ccls.	IBM TDB USPAT; US-PGPUB; EPO; JPO;	2004/06/24 10:13
1 1 1	5 6 13965	("4401447"   "5186831"   "5375477"   "5407575"   "5529694").PN. 5849249.URPN. ((engag\$3 or connect\$3 or plug\$4) with (tub\$3 or vacuum or suction)) and (chisengag\$3 or disconnect\$3 or unplug\$4) with (tub\$3 or vacuum or	IBM TDB USPAT USPAT USOCR	2004/06/24 09:53 2004/06/24 09:54 2004/06/24 10:00
ı	7	((engag\$3 or connect\$3 or plug\$4) with (tub\$3 or vacuum or suction)) and ((disengag\$3 or disconnect\$3 or unplug\$4) with (tub\$3 or vacuum or	USOCR	2004/06/24 10:03
1 1	11	suction))) and 422/101.ccis. ("1097708"   "1316789"   "1397520"   "2441204"   "3437211"   "3478889"   "3501012"   "3956125"   "4058120"   "4301010"   "4375409").PN. ((engag\$3 or connect\$3 or plug\$4) with (tub\$3 or vacuum or suction)) and	USPAT;	2004/06/24 10:04
ı	4. 0	((disengages) or disconnectes or unpinged) with (tubes) or vacuum or suction))) and 210/\$.ccls. (((engag\$3 or connect\$3 or plug\$4) near (tub\$3)) and ((disengag\$3 or disconnect\$3 or unplug\$4) near (tub\$3)) and 210/\$.ccls.	US-FGFUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB;	2004/06/24 10:08
I	ъ	្តែក	EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2004/06/24 10:08
1	11	("1097708"   "1316789"   "1397520"   "2441204"   "3437211"   "3478889"   "3501012"   "3956125"   "4058120"   "4301010"   "4375409").PN.	DERWENT; IBM_TDB USPAT	2004/06/24 10:11

((engages of connects) line)) and ((disengages) or suction or line))
(((engag\$3 or connect\$3 or plug\$4) with line)) and ((disengag\$3 or disconnect\$3 or suction or line))) and 422/101.ccls.
("4401447"   "5186831"   "5375477"   "5407575" 422/101.ccls. and ((disengag\$3 or disconnect\$3 vacuum or suction or line))
(73/\$ or 436/\$ or 422/\$ or 435/\$).ccls. and ((disengag\$3 or unplug\$4) near (tub\$3 or vacuum or suction or line))
(73/\$ or 436/\$ or 422/\$ or 435/\$).ccls. and ((disengag\$3 or unplug\$4) near (tub\$3 or line))
(73/\$ or 436/\$ or 422/\$ or 435/\$).ccls. and ((disengag\$3 or or unplug\$4) near (vacuum or suction) near (tub\$3 or line))
(73/\$ or 436/\$ or 422/\$ or or unplug\$4) with ((vacuum
(73/\$ or 436/\$ or 422/\$ or 435/\$).ccls. and ((disengag\$3 or disconne) or unplug\$4) with ((vacuum or suction) near (tub\$3 or line)))
(73/\$ or 436/\$ or 422/\$ or disconnect\$3 or unplug\$4) w
((73/\$ or 436/\$ or 422/\$ or 435/\$ or 210/\$).ccls. and ((disengag\$3 or disconnect\$3 or unplug\$4) with ((vacuum or suction) near (tub\$3 or line))) not ((73/\$ or 436/\$ or 422/\$ or 435/\$).ccls. and ((disengag\$3 disconnect\$3 or unplug\$4) with ((vacuum or suction) near (tub\$3 or
and biopoly

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ı	4 ("5053454"   "5080866"   "5104808"   "5112575").PN.	USPAT	2004/06/24 19:19	
ı	55   5252296.URPN.	USPAT	2004/06/24 19:25	
ı	2   ("4517338"   "5538694").pN.	USPAT	2004/06/24 19:28	
ı	4   5837858.URPN.	USPAT	2004/06/24 19:28	
ı	4   ("4458066"   "4500707"   "5047524"   "5106583").PN.	USPAT	2004/06/24 19:29	
ı	54   5472672.URPN.	USPAT	2004/06/24 19:30	
1	54   5472672.URPN.	USPAT	2004/06/24 19:33	
1	1 hamper.in. and 422/99-104.ccls.	USPAT;	2004/06/25 09:26	
		US-PGPUB;		
		EPO; JPO;		
		DERWENT;		
		AUT MAT		